

## PCT REQUEST

P11653-PCT

Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	
<b>0-2</b>	International Filing Date	
<b>0-3</b>	Name of receiving Office and "PCT International Application"	
<b>0-4</b>	<b>Form - PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared using	<b>PCT-EASY Version 2.92 (updated 01.07.2003)</b>
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	<b>Korean Intellectual Property Office (RO/KR)</b>
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	<b>P11653-PCT</b>
<b>I</b>	<b>Title of invention</b>	<b>ULTRA WIDEBAND RADIO TRANSMITTER, ULTRA WIDEBAND RADIO RECEIVER, AND ULTRA WIDEBAND RADIO COMMUNICATION METHOD</b>
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is:	<b>applicant only</b>
<b>II-2</b>	Applicant for	<b>all designated States except US</b>
<b>II-4</b>	Name	<b>SAMSUNG ELECTRONICS CO., LTD.</b>
<b>II-5</b>	Address:	<b>416, Maetan-dong, Paldal-gu, Suwon-shi 442-370 Kyungki-do Republic of Korea</b>
<b>II-6</b>	State of nationality	<b>KR</b>
<b>II-7</b>	State of residence	<b>KR</b>
<b>II-8</b>	Telephone No.	<b>82-31-280-9168</b>
<b>II-9</b>	Facsimile No.	<b>82-31-280-9156</b>
<b>II-10</b>	e-mail	<b>sdhwa@samsung.com</b>
<b>III-1</b>	<b>Applicant and/or inventor</b>	
<b>III-1-1</b>	This person is:	<b>applicant and inventor</b>
<b>III-1-2</b>	Applicant for	<b>US only</b>
<b>III-1-4</b>	Name (LAST, First)	<b>Nagasaka, Hiroyuki</b>
<b>III-1-5</b>	Address:	<b>2-7, Sugasawa-cho, Tsurumi-ku Yokohama, Kanagawa 230-0027 Japan</b>
<b>III-1-6</b>	State of nationality	<b>JP</b>
<b>III-1-7</b>	State of residence	<b>JP</b>

## PCT REQUEST

P11653-PCT

Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

IV-1	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	<b>agent</b>
IV-1-1	Name (LAST, First)	LEE, Keon-Joo
IV-1-2	Address:	Mihwa Bldg. 110-2, Myongryun-dong 4-ga, Chongro-gu 110-524 Seoul Republic of Korea
IV-1-3	Telephone No.	82-2-744-0305
IV-1-4	Facsimile No.	82-2-743-5247
IV-1-5	e-mail	kjlp@unitel.co.kr
V	<b>Designation of States</b>	
V-1	<b>Regional Patent</b> (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT
V-2	<b>National Patent</b> (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

## PCT REQUEST

P11653-PCT


Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

<b>V-5</b>	<b>Precautionary Designation Statement</b> In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
<b>V-6</b>	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>
<b>VI-1</b>	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	<b>21 November 2002 (21.11.2002)</b>
VI-1-2	Number	<b>2002230517</b>
VI-1-3	Country	<b>JP</b>
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>Korean Intellectual Property Office (KIPO) (ISA/KR)</b>
<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>
VIII-1	Declaration as to the identity of the inventor	-
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>
IX-1	Request (including declaration sheets)	<b>4</b>
IX-2	Description	<b>36</b>
IX-3	Claims	<b>12</b>
IX-4	Abstract	<b>1</b>
IX-5	Drawings	<b>28</b>
IX-7	<b>TOTAL</b>	<b>81</b>
	<b>Accompanying items</b>	<b>paper document(s) attached</b>
IX-8	Fee calculation sheet	✓
IX-9	Original separate power of attorney	-
IX-11	Copy of general power of attorney	✓
IX-17	PCT-EASY diskette	-
		<b>Diskette</b>
<b>IX-19</b>	<b>Figure of the drawings which should accompany the abstract</b>	<b>1</b>

## PCT REQUEST

P11653-PCT

Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

IX-20	Language of filing of the international application	Korean
X-1	Signature of applicant, agent or common representative	
X-1-1	Name (LAST, First)	

LEE, Keon-Joo

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	--	--

**PCT (ANNEX - FEE CALCULATION SHEET)**

P11653-PCT

Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

(This sheet is not part of and does not count as a sheet of the international application)

<b>0</b>	<b>For receiving Office use only</b>			
<b>0-1</b>	International Application No.			
<b>0-2</b>	Date stamp of the receiving Office			
<b>0-4</b>	<b>Form - PCT/RO/101 (Annex)</b>			
<b>0-4-1</b>	PCT Fee Calculation Sheet Prepared using		<b>PCT-EASY Version 2.92 (updated 01.07.2003)</b>	
<b>0-9</b>	Applicant's or agent's file reference		<b>P11653-PCT</b>	
<b>2</b>	Applicant		<b>SAMSUNG ELECTRONICS CO., LTD., et al.</b>	
<b>12</b>	<b>Calculation of prescribed fees</b>		<b>fee amount/multiplier</b>	<b>Total amounts (KRW)</b>
<b>12-1</b>	Transmittal fee	T	⇒	<b>45,000</b>
<b>12-2-1</b>	Search fee	S	⇒	<b>150,000</b>
<b>12-2-2</b>	International search to be carried out by		<b>KR</b>	
<b>12-3</b>	International fee			
	Basic fee (first 30 sheets)	b1	<b>530,000</b>	
<b>12-4</b>	Remaining sheets		<b>51</b>	
<b>12-5</b>	Additional amount	(X)	<b>12,000</b>	
<b>12-6</b>	Total additional amount	b2	<b>612,000</b>	
<b>12-7</b>	b1 + b2 =	B	<b>1,142,000</b>	
<b>12-8</b>	Designation fees			
	Number of designations contained in international application		<b>97</b>	
<b>12-9</b>	Number of designation fees payable (maximum 5)		<b>5</b>	
<b>12-10</b>	Amount of designation fee	(X)	<b>114,000</b>	
<b>12-11</b>	Total designation fees	D	<b>570,000</b>	
<b>12-12</b>	PCT-EASY fee reduction	R	<b>-163,000</b>	
<b>12-13</b>	Total International fee (B+D-R)	I	⇒	<b>1,549,000</b>
<b>12-17</b>	<b>TOTAL FEES PAYABLE (T+S+I+P)</b>		⇒	<b>1,744,000</b>
<b>12-19</b>	Mode of payment		<b>cash</b>	

**VALIDATION LOG AND REMARKS**

<b>13-2-1</b>	Validation messages Request	<b>Green?</b> A translation of the international application into English will have to be prepared under the responsibility of the ISA selected.
		<b>Green?</b> Please note that the entire request (including the title of invention) must be in English

**PCT (ANNEX - FEE CALCULATION SHEET)**

P11653-PCT

Original (for SUBMISSION) - printed on 21.11.2003 01:32:59 PM

		Green? The title of the invention shall be short and precise. Please verify.
13-2-2	Validation messages States	Green? More designations could be made. The following States have not been designated: JP. Please verify.
13-2-3	Validation messages Names	Green? Applicant 2.: Last name should preferably be entered in capital letters. Please verify.
13-2-7	Validation messages Contents	Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)
		Green? Reference number for attached copy of general power of attorney not indicated.
		Yellow Accompanying item "original separate power of attorney" has not been indicated as enclosed.
13-2-8	Validation messages Fees	Green? Please confirm that fee schedule utilized is the latest available
13-2-1 1	Validation messages For receiving Office/International Bureau use only	Green? Verify electronic data for consistency against printed form.